

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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16800 U.S. PTO  
10/604082  
06/25/03

EFS ID: 42452  
Application ID: 10604082  
Title of Invention: PROCESS FOR FORMING  
FEATURES OF 50 NM OR LESS  
HALF-PITCH WITH CHEMICALLY  
AMPLIFIED RESIST IMAGING  
First Named Inventor: David Medeiros  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-06-25  
Effective Receipt Date: 2003-06-25  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation number: 1081  
Attorney Docket Number: FIS920030159  
  
Total Fees Authorized: 750.0  
Payment Category: Deposit Account  
Deposit Account Number: 90458  
Deposit Account Name: Steven Capella  
RAM Payment Status: RAM has not been processed



Digital Certificate Holder: cn=Steven Capella,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 97f083916a5e10930caa081a1faf9a515aa8cb49

**TRANSMITTAL**

Electronic Version v1.1

Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>PROCESS FOR FORMING FEATURES OF 50 NM OR LESS HALF-PITCH WITH CHEMICALLY AMPLIFIED RESIST IMAGING</b>	
Application Number: Date: First Named Applicant: David R. Medeiros		
Confirmation Number: Attorney Docket Number: FIS920030159		
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
<b>Submitted by:</b>	<b>Elec. Sign.</b>	<b>Sign. Capacity</b>
Steven Capella Registered Number: 33086	Steven Capella	Attorney
<b>Documents being submitted</b>	<b>Files</b>	
us-request	FIS920030159US1-usrequ.xml us-request.dtd us-request.xml	
us-fee-sheet	FIS920030159US1-usfees.xml us-fee-sheet.xml us-fee-sheet.dtd	
us-ids	FIS920030159US1-usidst.xml	

application-body

us-ids.dtd  
us-ids.xsl  
FIS920030159US1-trans.xml  
us-application-body.xsl  
application-body.dtd  
wipo.ent  
mathml2.dtd  
mathml2-qname-1.mod  
isoamsa.ent  
isoamsb.ent  
isoamsc.ent  
isoamsn.ent  
isoamso.ent  
isoamsr.ent  
isogr3.ent  
isomfrk.ent  
isomopf.ent  
isomscr.ent  
isotech.ent  
isobox.ent  
isocyr1.ent  
isocyr2.ent  
isodia.ent  
isolat1.ent  
isolat2.ent  
isonum.ent  
isopub.ent  
mmlextra.ent  
mmlalias.ent  
soextblx.dtd  
FIS920030159US1dec1.tif  
FIS920030159US1dec2.tif  
FIS920030159US1dec3.tif  
FIS920030159US1dec4.tif

us-declaration

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## Comments

Assignee Name: International Business Machines Corporation Assignee Address:  
Armonk, New York 10504

**FEE TRANSMITTAL**

Electronic Version v08  
Stylesheet Version v08.0

**Title of  
Invention**

PROCESS FOR FORMING FEATURES OF 50 NM OR LESS  
HALF-PITCH WITH CHEMICALLY AMPLIFIED RESIST IMAGING

Application Number:

Date:

First Named Applicant: David R. Medeiros

Attorney Docket Number: FIS920030159

**TOTAL FEE AUTHORIZED \$750**

Patent fees are subject to annual revisions on or about October 1st of each year.

Filing as large entity

**BASIC FILING FEE**

Fee Description	Fee Code	Amount \$	Fee Paid \$
Utility Filing Fee	1001	750	750
Subtotal For Basic Filing Fee: \$750			

**EXTRA CLAIM FEES**

Fee Description	Extra Claims	Fee Code	Amount \$	Fee Paid \$
Total Claims: 19	0	1202	18	0
Independent Claims: 2	0	1201	84	0
Subtotal For Extra Claims Fees: \$ 0				

**AUTHORIZED BILLING INFORMATION**

The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit account number: 090458

Deposit name: International Business Machines Corporation

Deposit authorized name: Steven Capella

Signature: Steven Capella / s /

Date (YYYYMMDD): 2003-06-25

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.